

WHAT IS CLAIMED IS:

1. A container for use with a solution dispenser, the solution dispenser generating a solution by impinging a solvent spray on a solid cast chemical product disposed within the container, the container being disposable in an inverted disposition in a solution dispenser bowl, the container comprising:

a container body suitable for containing a flowable chemical composition and supporting a casting of the chemical composition;

the container body having a mouth for receiving the solvent spray therein;

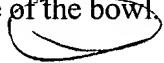
the container body having a container bottom being disposed generally opposed to the mouth; and

the container body having an inclined side portion operably coupled to and extending between the container bottom portion and the container mouth, the cross sectional dimension of the side portion decreasing from the container bottom portion to the container mouth.

2. The container of claim 1 including at least one lockout defined on the container body.

3. The container of claim 1 including at least one flat formed on the inclined side portion.

4. The container of claim 3 including at least a second flat formed on the inclined side portion being generally opposed to the at least one flat.

5. The container of claim 2 wherein the at least one lockout is formed for cooperative engagement with an inverted lockout formed on an interior surface of the bowl.  


6. The container of claim 5 wherein the at least one lockout acts to orient at least one flat formed on the inclined side portion of the container in a selected orientation.

7. The container of claim 5 wherein the at least one lockout acts to selectively orient viewable data disposed on the inclined side portion of the container for viewing by a user when the container is disposed in an inverted disposition in the solution dispenser bowl.

8. The container of claim 1 wherein the cross section of the inclined side portion defines a circle.

9. The container of claim 1 wherein the cross section of the inclined side portion defines a polygon having at least four sides.

10. The container of claim 9 wherein the cross section of the inclined side portion defines a polygon having eight sides.

11. The container of claim 1 wherein the angle of inclination of the inclined side portion with respect to a container longitudinal axis is substantially between five degrees and thirty degrees.

12. The container of claim 11 wherein the angle of inclination of the inclined side portion with respect to a container longitudinal axis is substantially nine degrees.

13. The container of claim 1 wherein the container bottom portion is domed. 

14. A solution dispenser for generating a solution by impinging a solvent spray on at least one solid cast chemical product, comprising:

at least one spray nozzle for generating the solvent spray, the spray defining a generally conical spray pattern

at least one solution dispenser bowl having an upwardly directed bowl opening, the spray nozzle being disposed generally opposite to the bowl opening for directing the spray an a generally upward direction;

at least one container being disposable in an inverted disposition in the solution dispenser bowl, the at least one container having;

a. a container body suitable for containing a flowable chemical composition and supporting a casting of the chemical composition;

b. the container body having a mouth for receiving the solvent spray therein;

c. the container body having a container bottom being disposed generally opposed to the mouth; and

d. the container body having an inclined side portion operably coupled to and extending between the container bottom portion and the container mouth, the cross sectional dimension of the side portion decreasing from the container bottom portion to the container mouth.

15. The solution dispenser of claim 14 including at least one lockout defined on the container body.

16. The solution dispenser of claim 14 including at least one flat formed on the inclined side portion.

17. The solution dispenser of claim 16 including at least a second flat formed on the inclined side portion being generally opposed to the at least one flat.

18. The solution dispenser of claim 17 including a plurality of solution dispenser bowls disposed in a generally side-by-side arrangement, a flat of a first container being disposed adjacent a flat of a second container, the first and second containers being disposed in adjacent solution dispenser bowls.

19. The solution dispenser of claim 15 wherein the at least one lockout is formed for cooperative engagement with an inverted lockout formed on an interior surface of the bowl.

20. The solution dispenser of claim 18 wherein the at least one lockout acts to orient at least one flat formed on the inclined side portion of the container in a selected orientation.

21. The solution dispenser of claim 18 wherein the at least one lockout acts to selectively orient viewable data disposed on the inclined side portion of the container for viewing by a user when the container is disposed in an inverted disposition in the solution dispenser bowl.

22. The solution dispenser of claim 14 wherein the cross section of the inclined side portion defines a circle.

23. The solution dispenser of claim 14 wherein the cross section of the inclined side portion defines a polygon having at least four sides.

24. The solution container of claim 23 wherein the cross section of the inclined side portion defines a polygon having eight sides.

25. The solution container of claim 14 wherein the angle of inclination of the inclined side portion with respect to a container longitudinal axis is substantially between five degrees and thirty degrees.

26. The solution container of claim 25 wherein the angle of inclination of the inclined side portion with respect to a container longitudinal axis is substantially nine degrees.

27. The solution container of claim 14 wherein the container bottom portion is domed.

28. The solution container of claim 14 further including a rim disposed peripheral to the container bottom portion.

29. The solution container of claim 28 wherein the rim presents an overhang for facilitating grasping of the container.

30. The container of claim 1 further including a rim disposed peripheral to the container bottom portion.

31. The solution container of claim 30 wherein the rim presents an overhang for facilitating grasping of the container.

32. A method of promoting consistent dissolution of cast chemical product, comprising:  
disposing a container having a chemical product cast therein in an inverted disposition;  
presenting a mouth of the container to a nozzle;  
spraying a solvent from the nozzle onto the cast chemical product; and  
inclinining a side portion of the container inward from a container bottom portion toward the mouth of the container.

33. The method of claim 32 including inclining the side portion with respect to a container longitudinal axis at an angle that is substantially between five degrees and thirty degrees.
34. The method of claim 33 including forming at least one flat on the side portion of the container.
35. The method of claim 34 including doming the bottom portion of the container.

U S P T O P R I O R A R Y P A T E N T  
P R I O R A R Y P A T E N T